	Title	Current OR	Current XRef
1	Pickup head for a component assembly machine	29/740	198/428; 198/432; 29/739; 29/741; 29/743; 29/832; 29/834; 29/DIG.44
2	Automatic machine for assembling piles of packages, including copper laminae, to make plastic laminates from bands arranged serpentinewise	428/126	156/204; 156/223; 156/226; 156/227; 156/361; 156/379.7; 156/459; 156/580
3	Feeder and method of supplying a continuous strip of surface mount contacts to surface mounting equipment	414/412	221/74
4	Feeder and method of supplying a continuous strip of surface mount contacts to pick-and-place machine	414/412	221/74; 414/810
5	Livestock hay storage/feeder	119/60	
6	Machine component installation device	29/792	198/473.1; 221/127; 29/33K; 29/35.5; 29/785; 414/223.01; 414/797.4; 414/797.8
7	COMPONENT FEEDING DEVICE		29/771

	Retrieval Classif	Inventor	S	C	P	Image Doc. Displayed
1		Lundberg, Marten et al.	☒	☐	☐	US 6247226
2		Ceraso, Bruno	☒	☐	☐	US 5637376
3		Legrady, Janos	☒	☐	☐	US 5605430
4		Legrady, Janos et al.	☒	☐	☐	US 5449265
5		Halpin, Sharon K. et al.	☒	☐	☐	US 5205241
6		Wickham, John L.	☒	☐	☐	US 4715113
7		MITSUFUJI, FUMIO	☒	☐	☐	JP 02132894 ZZ

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-	0	29/740.ccls. and die adj holding adj mechanism	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:16
-	20	die adj holding adj mechanism	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 11:43
-	1	1998-530282.NRAN.	DERWENT	2002/04/17 11:35
-	1	1987-048407.NRAN.	DERWENT	2002/04/17 11:35
-	1	1980-L9754C.NRAN.	DERWENT	2002/04/17 11:36
-	1	1980-L9754C.NRAN.	DERWENT	2002/04/17 11:36
-	0	5555925.URPN.	USPAT	2002/04/17 11:38
-	0	die adj holding same connection adj wires and shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 11:45
-	2	die adj holding same shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 11:52
-	1	2001-277884.NRAN.	DERWENT	2002/04/17 11:48
-	1	2001-277884.NRAN.	DERWENT	2002/04/17 11:50
-	0	semiconductor adj die adj holding and shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 11:53
-	11	die adj holding and shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 11:58
-	8	("3720309" | "3785507" | "3915784" | "3988822" | "4253906" | "4312695" | "4334945" | "4388399").PN.	USPAT	2002/04/17 11:55
-	5	("3050617" | "3051026" | "3125906" | "3192358" | "3442432").PN.	USPAT	2002/04/17 11:56

-	60	die same (holding or mounting) and pushing and shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:12
-	2	die adj holding and pushing and shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:30
-	1369	apparatus and holding and pushing and shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:40
-	3	apparatus and holding and pushing and shaft and needle and 29/740.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:46
-	3	holding adj mechanism and (die or dice) and pushing and shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:48
-	10	holding adj mechanism and (die or dice) and shaft and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:49
-	0	holding near2 mechanism and (die or dice) and shaft and needle and 29/740.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:49
-	2	holding and mechanism and (die or dice) and shaft and needle and 29/740.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:49
-	1	holding and mechanism and (die or dice) and shaft and needle and 29/759.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:49
-	0	holding and mechanism and (die or dice) and shaft and needle and 29/760.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:25

-	3	4915565.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 12:50
-	3	("4372802" | "4494902" | "4759675").PN.	USPAT	2002/04/17 12:50
-	6	("3274038" | "3785507" | "3793123" | "4290732" | "4375126" | "4410103").PN.	USPAT	2002/04/17 12:51
-	14	4915565.URPN.	USPAT	2002/04/17 12:54
-	2	holding and mechanism same shaft and needle and 29/760.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:26
-	53	holding and mechanism same shaft and needle and 414/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:26
-	160	holding and mechanism same shaft and needle and 74/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:27
-	76	holding and mechanism same shaft and needle and 156/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:27
-	6	(holding and mechanism same shaft and needle and 29/$.ccls.) and (holding and mechanism same shaft and needle and 74/$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:27
-	108	holding and mechanism same shaft and needle and 29/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:31
-	2	die adj holding and mechanism same shaft and needle and 29/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:31
-	2	die adj holding and mechanism same shaft and needle and 29/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:36

-	2	6010247.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/17 13:36
-	0	trinh.xa	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:17
-	1766	trinh.xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:17
-	0	minh adj trinh.xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:17
-	0	(minh adj trinh).xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:17
-	159	(minh and trinh).xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:35
-	31	("3308977" | "4293998" | "4346514" | "4403726" | "4507862" | "4567652" | "4599026" | "4611397" | "4631812" | "4733459" | "4862578" | "4872258" | "4917561" | "4955653" | "4995157" | "5029383" | "5035316" | "5105528" | "5201696" | "5337465" | "5452824" | "5456510" | "5458388" | "5649356" | "5733093" | "5739846" | "5743001" | "5852869" | "6105753" | "6116822" | "6126376" | "2001/0008042").PN.	USPAT	2002/07/25 11:19
-	12	("2819788" | "2872019" | "3240332" | "3729090" | "3786912" | "3845857" | "4275978" | "4809843" | "5285890" | "5462155" | "5489019" | "5630497").PN.	USPAT	2002/07/25 11:26
-	10	("3165139" | "3460230" | "3523316" | "3664173" | "4178679" | "4182030" | "4236302" | "4721228" | "5511307" | "5930891").PN.	USPAT	2002/07/25 11:29
-	2	("5307550" | "5498942").PN.	USPAT	2002/07/25 11:33

-	0	(tugbank).xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:35
-	0	(dexter and tugbank).xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:35
-	125	(dexter and tugbang).xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 11:51
-	3	("5516251" | "5649356" | "5796616").PN.	USPAT	2002/07/25 11:39
-	5	(rick and chang).xa. and component near feeder	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 12:04
-	8	("4438559" | "4610083" | "4670976" | "4768915" | "4952113" | "5299902" | "5539977" | "5628107").PN.	USPAT	2002/07/25 11:59
-	7	(carl and arbes).xp. and component near feeder	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 12:06
-	5	("4999909" | "5329692" | "5365452" | "5743001" | "5778525").PN.	USPAT	2002/07/25 12:05
-	162224	29/$.ccls. component near feeder and locking adj device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 12:07
-	3	29/$.ccls. and component near feeder and locking adj device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 12:13
-	3	414/$.ccls. and component near feeder and locking adj device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 12:14
-	7	component near feeder and locking adj device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/25 12:14

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4	☐	☐	US 5449265 A	19950912	21
5	☐	☐	US 5205241 A	19930427	10
6	☐	☐	US 4715113 A	19871229	13
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